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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/993,570	11/27/2001	Akihiro Kushida	862.C2442	7438

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FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

VO, HUYEN X

ART UNIT PAPER NUMBER

2655

DATE MAILED: 10/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/993,570

Applicant(s)

KUSHIDA ET AL.

Examiner

Huyen X. Vo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 43-49, 51, 52, 54, 55, 57, 58, 60 and 61 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 43-49, 51, 52, 54, 55, 57, 58, 60 and 61 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 43-49, 51-52, 54-55, 57-58, and 60-61 are rejected under 35 U.S.C. 102(b) as being anticipated by Dragosh et al. (US Patent No. 6078886).
3. Regarding claim 43, Dragosh et al. disclose a client-server speech recognition system comprising: the client comprising: a client device comprising: display control means for controlling the display of a speech input window comprising plural input forms (*col. 9, lines 14-30 discuss a form-filling method. It is inherent that the client device would include software program controlling the display of forms*); determining means for determining from among the displayed plural input forms the input form to which speech information is input as a target speech input (*col. 9, lines 14-30, a form includes multiple data fields with each data field being associated with a particular set of speech recognition grammars*); storing means for storing a user dictionary which holds target recognition words and input form identifying information in association with each other (*col. 4, lines 27-44, speech recognition grammars transmitted to the server from client device*); speech receiving means for receiving speech information inputted by a speech input module (*col. 3, lines 5-67*); first transmission means for transmitting input form identifying information indicating the input form to which speech information is

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determined to be input by said determining means (*col. 9, lines 14-30, the grammars associated with a particular form field*), the user dictionary, and the speech information to the server (*col. 4, line 27 to col. 6, line 67*), and inputting means for inputting a speech recognition result received from the server to the input form to which speech information is determined to be input by said determining means (*col. 9, lines 14-30*); a server comprising: receiving means for receiving the input form identifying information, the user dictionary, and the speech information (*server 100 in figure 1 and referring to col. 4, ln. 27 to col. 6, ln. 67*); speech recognition means for recognizing the speech information using the target recognition words of the user dictionary associated with the input form to which speech is determined by said determining means to have been input that is identified by the received input from identifying information (*col. 4, ln. 27 to col. 7, ln. 67*); and second transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 7, ln. 1 to col. 8, ln. 67*).

4. Regarding claim 44, Dragosh et al. further disclose a system according to claim 43, wherein said server further comprises holding means for holding a plurality of kinds of recognition dictionaries, and a table managing a correspondence of the input form identifying information and each of the plurality of kinds of recognition dictionaries, and wherein said speech recognition means selects a recognition dictionary corresponding to the received input form identifying information from said holding means by referring to the table, and recognizes the speech using the selected recognition dictionary and the selected target recognition word (*col. 5, ln. 1 to col. 6, ln. 67*).

5. Regarding claims 45, 51, 57, and 60, Dragosh et al. disclose that in a client-server speech recognition system, method, and computer-readable memory, an information processing apparatus acting as the client comprising: display control means for controlling the display of a speech input window comprising plural input forms (*col. 9, lines 14-30 discuss a form-filling method. It is inherent that the client device would include software program controlling the display of forms*); determining means for determining from among the displayed plural input forms the input form to which speech information is input as a target speech input (*col. 9, lines 14-30, a form includes multiple data fields with each data field being associated with a particular set of speech recognition grammars*); storing means for storing a user dictionary which holds target recognition words and input form identifying information in association with each other (*col. 4, lines 27-44, it is inherent that the client device has a memory for storing speech recognition grammars to be transmitted to the server to perform speech recognition*); speech receiving means for receiving speech inputted by a speech input module using an input form (*col. 3, lines 5-67 and col. 9, lines 14-30 discuss a form-filling method*); transmission means for transmitting input form to which speech information is determined to be input by said determining means, the user dictionary which holds target recognition words and input form identifying information in association with each other (*col. 9, lines 14-30, the grammars associated with a particular form field*), and the speech information to the server (*col. 4, line 27 to col. 6, line 67*); and inputting means for inputting a speech recognition result received from the server to the input form to

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which speech information is determined to be input by said determining means (*col. 9, lines 14-30*).

6. Regarding claims 46, 52, and 58, Dragosh et al. disclose that in a client-server speech recognition system, method, and computer-readable memory for recognizing, by a server, speech input at a client for inputting information to an input form, the client having a speech input window comprising plural input forms, an information processing apparatus acting as the server comprising: receiving means for receiving input form identifying information indicating the input from among the plural input forms in the speech window to which speech is inputted by the client, a user dictionary holding target recognition words and input form identifying information in association with each other (*server 100 in figure 1 and referring to col. 4, line 27 to col. 6, line 67 and col. 9, lines 14-30, the grammars associated with a particular form field*); speech recognition means for recognizing the speech information using the target recognition words of the user dictionary associated with the input form to which speech is inputted as identified by the received input form identifying information (*col. 6, ln. 1 to col. 7, ln. 67*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 6, ln. 1 to col. 7, ln. 67*).

7. Regarding claim 47, Dragosh et al. disclose a client-server speech recognition system comprising: a client comprising: display control means for controlling the display of a speech input window comprising plural input forms (*col. 9, lines 14-30 discuss a*

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form-filling method. It is inherent that the client device would include software program controlling the display of forms); determining means for determining from among the displayed plural input forms the input form to which speech information is input as a target speech input (col. 9, lines 14-30, a form includes multiple data fields with each data field being associated with a particular set of speech recognition grammars); storing means for storing a user dictionary which holds target recognition words and recognition dictionaries identifying information in association with each other (col. 4, lines 27-44, speech recognition grammars to be transmitted to the server to from the client device); speech receiving means for receiving speech information inputted by a speech input module (col. 3, ln. 5-67); and first transmission means for transmitting input form identifying information indicating the input form to which speech information is determined to be input by said determining means, the user dictionary, and the speech information to the server (col. 4, line 27 to col. 6, line 67 and col. 9, lines 14-30, a form includes multiple data fields with each data field being associated with a particular set of speech recognition grammars); and inputting means for inputting a speech recognition result received from the server to the input form to which speech information is determined to be input by said determining means (col. 9, lines 14-30); and a server comprising: holding means for holding a plurality of kinds of recognition dictionaries (Load Client Grammar 304 in figure 3); receiving means for receiving the input form identifying information, the user dictionary, and the speech information (server 100 in figure 1 and referring to col. 4, line 27 to col. 6, line 67); speech recognition means for selecting a recognition dictionary from said holding means

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corresponding to the input form to which speech information is determined to be input by said determining means identified by the received input form identifying information (*col. 9, lines 14-30, a plurality of form fields associated with individual sets of grammars are transmitted to the client server*), selecting, from the received user dictionary, target recognition words associated with the recognition dictionary corresponding to the selected recognition dictionary identified by the recognition dictionaries identifying information (*col. 4, line 27 to col. 7, line 67 and col. 9, lines 14-30, each said associated form-field-set-of-grammars is selected for used by a speech recognizer to recognize input speech for that particular form field*); and second transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 7, line 1 to col. 8, line 67*).

8. Regarding claims 48 and 54, Dragosh et al. disclose that in a client-server speech recognition system and method, an input information processing apparatus and method acting as the client comprising: display control means for controlling the display of a speech input window comprising plural input forms (*col. 9, lines 14-30 discuss a form-filling method. It is inherent that the client device would include software program controlling the display of forms*); determining means for determining from among the displayed plural input forms the input form to which speech information is input as a target speech input (*col. 9, lines 14-30, a form includes multiple data fields with each data field being associated with a particular set of speech recognition grammars*); storing means for storing a user dictionary which holds target recognition words and

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recognition dictionaries identifying information in association with each other (*col. 4, lines 27-44, speech recognition grammars to be transmitted to the server from client device*); speech receiving means for receiving speech information inputted by a speech input module using an input form (*col. 3, lines 5-67*); transmission means for transmitting input form to which speech information is determined to be input by said determining means, a user dictionary which holds target recognition words and recognition dictionaries identifying information in association with each other (*col. 9, lines 14-30, each set of speech recognition grammars is associated with a particular form field*); and inputting means for inputting a speech recognition result received from the server to the input form to which speech information is determined to be input by said determining means (*col. 9, lines 14-30*); and a server comprising: holding means for holding a plurality of kinds of recognition dictionaries (*col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars transmitted to the server*); receiving means for receiving the input form identifying information, the user dictionary, and the speech information (*col. 4, line 27 to col. 6, line 67*); speech recognition means for selecting a recognition dictionary corresponding to the input form in the speech input window of the client device to which speech information is input identified by the received input form identifying information from a plurality of kinds of recognition dictionaries held by the server (*col. 4, line 27 to col. 7, line 67 and col. 7, line 1 to col. 8, line 67 and col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field*), selecting, from the

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received user dictionary, target recognition words associated with the recognition dictionary corresponding to the selected recognition dictionary identified by the recognition dictionaries identifying information (*col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field*), and recognizing the speech information using the selected recognition dictionary and the selected target recognition words (*col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field*); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (*col. 9, lines 14-30*).

9. Regarding claims 49, 55 and 61, Dragosh et al. disclose that in a client-server speech recognition system and method for recognizing, by a server, speech input at a client for inputting information to an input form, the client having a speech input window comprising plural input forms, an information processing apparatus acting as the server comprising: holding means for holding a plurality of kinds of recognition dictionaries (*Load Client Grammar 304 in figure 3*); receiving means for receiving input form identifying information from among the plural input forms in the speech input window of the client to which speech information is input, a user dictionary, and the speech information from the client, the user dictionary holding a target recognition word and recognition dictionaries identifying information in association with each other (*server 100*

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in figure 1 or referring to col. 4, line 27 to col. 7, line 67 and col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars); a speech recognition step of selecting a recognition dictionary corresponding to the input form in the speech input window of the client device to which speech information is input identified by the received input form identifying information from a plurality of kinds of recognition dictionaries held by the server (col. 4, line 27 to col. 7, line 67 and col. 7, line 1 to col. 8, line 67 and col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field), selecting, from the received user dictionary, target recognition words associated with the recognition dictionary corresponding to the selected recognition dictionary identified by the recognition dictionaries identifying information (col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field), and recognizing the speech information using the selected recognition dictionary and the selected target recognition words (col. 9, lines 14-30, each form field is associated with a particular set of speech recognition grammars. The server selects the associated set of grammars to perform speech recognition for each form field); and transmission means for transmitting the speech recognition result of said speech recognition means to the client (col. 9, lines 14-30).

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen X. Vo whose telephone number is 571-272-7631. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HXV

10/25/2005


W. R. YOUNG
PRIMARY EXAMINER